

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Canceled).

Claim 2. (Previously Presented) A communication method comprising:
an FDD reception step for receiving a signal based on an FDD method;
a first acquisition step for acquiring information of a signal based on a TDD method from
the received signal based on the FDD method; and
a first TDD reception step for receiving the signal based on the TDD method on the basis
of the acquired information of the signal based on the TDD method, wherein
the first acquisition step acquires information of a synchronization channel based
on the TDD method from the received signal based on the FDD method,
the first TDD reception step receives the synchronization channel on the basis of
the acquired information of the synchronization channel, and
the communication method further comprises:

a second acquisition step for acquiring information of a code of a common
control channel based on the TDD method from the received synchronization
channel;

an identification step for identifying the code of the common control
channel on the basis of the acquired information of the code of the common
control channel;

a second TDD reception step for receiving the common control channel on the basis of the identified code of the common control channel;

a third acquisition step for acquiring a code of a communication channel based on the TDD method from the received common control channel; and

a third TDD reception step for receiving the communication channel on the basis of the acquired code of the communication channel.

Claim 3. (Original) The communication method as claimed in claim 2, wherein the information of the synchronization channel includes information relating to at least one of a code, a frequency and a timing of the synchronization channel.

Claim 4. (Original) The communication method as claimed in claim 3, wherein the information relating to the timing of the synchronization channel includes at least one of information relating to a position of a signal of the synchronization channel within a frame of the signal based on the TDD method and information relating to a timing offset between the signal based on the TDD method and the signal based on the FDD method.

Claim 5. (Original) The communication method as claimed in claim 2, wherein the first TDD reception step makes search for the synchronization channel with respect to each of codes which are possibly used for the synchronization channel to receive the synchronization channel.

Claim 6. (Original) The communication method as claimed in claim 2, wherein the first TDD reception step makes search for a signal of the synchronization channel by shifting

position for the search within a frame of the signal based on the TDD method to receive the synchronization channel.

Claim 7. (Previously Presented) A communication method comprising:

an FDD reception step for receiving a signal based on an FDD method;

a first acquisition step for acquiring information of a signal based on a TDD method from the received signal based on the FDD method; and

a first TDD reception step for receiving the signal based on the TDD method on the basis of the acquired information of the signal based on the TDD method, wherein

the first acquisition step acquires information of a common control channel based on the TDD method from the received signal based on the FDD method,

the first TDD reception step receives the common control channel on the basis of the acquired information of the common control channel, and

the communication method further comprises:

a second acquisition step for acquiring a code of a communication channel based on the TDD method from the received common control channel; and

a second TDD reception step for receiving the communication channel on the basis of the acquired code of the communication channel.

Claim 8. (Original) The communication method as claimed in claim 7, wherein the information of the common control channel includes information relating to at least one of a code, a frequency and a timing of the common control channel.

Claim 9. (Original) The communication method as claimed in claim 8, wherein the information relating to the timing of the common control channel includes at least one of information relating to a position of a signal of the common control channel within a frame of the signal based on the TDD method and information relating to a timing offset between the signal based on the TDD method and the signal based on the FDD method.

Claim 10. (Original) The communication method as claimed in claim 7, wherein the first TDD reception step makes search for a signal of the common control channel by shifting position for the search within a frame of the signal based on the TDD method to receive the common control channel.

Claim 11 and 12. (Canceled).

Claim 13. (Previously Presented) A communication method comprising:
an FDD reception step for receiving a signal based on an FDD method;
a first acquisition step for acquiring information of a signal based on a TDD method from the received signal based on the FDD method; and
a first TDD reception step for receiving the signal based on the TDD method on the basis of the acquired information of the signal based on the TDD method, wherein
the first acquisition step acquires information of a communication channel based on the TDD method from the received signal based on the FDD method,
the first TDD reception step receives the communication channel on the basis of the acquired information of the communication channel, and

the information of the communication channel includes at least one of information relating to a position of a signal of the communication channel within a frame of the signal based on the TDD method and information relating to a timing offset between the signal based on the TDD method and the signal based on the FDD method.

Claims 14 and 15. (Canceled).

Claim 16. (Currently Amended) A communication method comprising:
~~a step for including information of a signal based on a TDD method in a signal based on an FDD method;~~
an FDD transmission step for transmitting [[the]] a signal based on [[the]] an FDD method, with information of a signal based on a TDD method being included in the signal based on the FDD method; and
a TDD transmission step for transmitting the signal based on the TDD method,
wherein the signal based on the TDD method includes a signal of a synchronization channel, a signal of a common control channel and a signal of a communication channel,
the information of the signal based on the TDD method includes information of the synchronization channel,
the signal of the synchronization channel is a signal for identifying a code of the common control channel, and
the signal of the common control channel includes information of the communication channel.

Claim 17. (Original) The communication method as claimed in claim 16, wherein the information of the synchronization channel includes information relating to at least one of a code, a frequency and a timing of the synchronization channel.

Claim 18. (Currently Amended) A communication method comprising:
~~a step for including information of a signal based on a TDD method in a signal based on an FDD method;~~
an FDD transmission step for transmitting [[the]] a signal based on [[the]] an FDD method, with information of a signal based on a TDD method being included in the signal based on the FDD method; and
a TDD transmission step for transmitting the signal based on the TDD method,
wherein the signal based on the TDD method includes a signal of a common control channel and a signal of a communication channel,
the information of the signal based on the TDD method includes information of the common control channel, and
the signal of the common control channel includes information of the communication channel.

Claim 19. (Original) The communication method as claimed in claim 18, wherein the information of the common control channel includes information relating to at least one of a code, a frequency and a timing of the common control channel.

Claim 20. (Canceled).

Claim 21. (Currently Amended) A communication method comprising:

~~a step for including information of a signal based on a TDD method in a signal based on an FDD method;~~

an FDD transmission step for transmitting [[the]] a signal based on [[the]] an FDD method, with information of a signal based on a TDD method being included in the signal based on the FDD method; and

a TDD transmission step for transmitting the signal based on the TDD method, wherein

the signal based on the TDD method includes a signal of a communication channel, and

the information of the signal based on the TDD method includes at least one of information relating to a position of the signal of the communication channel within a frame of the signal based on the TDD method and information relating to a timing offset between the signal based on the TDD method and the signal based on the FDD method.

Claims 22-27. (Canceled).

Claim 28. (Previously Presented) A mobile station comprising:

FDD reception means for receiving a signal based on an FDD method;

first acquisition means for acquiring information of a signal based on a TDD method from the received signal based on the FDD method; and

first TDD reception means for receiving the signal based on the TDD method on the basis of the acquired information of the signal based on the TDD method, wherein

the first acquisition means acquires information of a synchronization channel based on the TDD method from the received signal based on the FDD method,

the first TDD reception means receives the synchronization channel on the basis of the acquired information of the synchronization channel, and
the mobile station further comprises:

second acquisition means for acquiring information of a code of a common control channel based on the TDD method from the received synchronization channel;

identification means for identifying the code of the common control channel on the basis of the acquired information of the code of the common control channel;

second TDD reception means for receiving the common control channel on the basis of the identified code of the common control channel;

third acquisition means for acquiring a code of a communication channel based on the TDD method from the received common control channel; and

third TDD reception means for receiving the communication channel on the basis of the acquired code of the communication channel.

Claim 29. (Previously Presented) A mobile station comprising:
FDD reception means for receiving a signal based on an FDD method;
first acquisition means for acquiring information of a signal based on a TDD method from the received signal based on the FDD method; and
first TDD reception means for receiving the signal based on the TDD method on the basis of the acquired information of the signal based on the TDD method, wherein
the first acquisition means acquires information of a common control channel based on the TDD method from the received signal based on the FDD method,

the first TDD reception means receives the common control channel on the basis of the acquired information of the common control channel, and
the mobile station further comprises:

second acquisition means for acquiring a code of a communication channel based on the TDD method from the received common control channel; and

second TDD reception means for receiving the communication channel on the basis of the acquired code of the communication channel.

Claim 30. (Previously Presented) A mobile station comprising:
FDD reception means for receiving a signal based on an FDD method;
first acquisition means for acquiring information of a signal based on a TDD method from the received signal based on the FDD method; and
first TDD reception means for receiving the signal based on the TDD method on the basis of the acquired information of the signal based on the TDD method,
wherein the first acquisition means acquires information of a communication channel based on the TDD method from the received signal based on the FDD method,
the first TDD reception means receives the communication channel on the basis of the acquired information of the communication channel, and
the information of the communication channel includes at least one of information relating to a position of a signal of the communication channel within a frame of the signal based on the TDD method and information relating to a timing offset between the signal based on the TDD method and the signal based on the FDD method.

Claim 31. (Currently Amended) A base station comprising:

~~means for including information of a signal based on a TDD method in a signal based on an FDD method;~~

FDD transmission means for transmitting [[the]] a signal based on [[the]] an FDD method; [[and]]

TDD transmission means for transmitting [[the]] a signal based on [[the]] a TDD method;
and

means for including information of the signal based on the TDD method in the signal based on the FDD method,

wherein the signal based on the TDD method includes a signal of a synchronization channel, a signal of a common control channel and a signal of a communication channel,

the information of the signal based on the TDD method includes information of the synchronization channel,

the signal of the synchronization channel is a signal for identifying a code of the common control channel, and

the signal of the common control channel includes information of the communication channel.

Claim 32. (Currently Amended) A base station comprising:

~~means for including information of a signal based on a TDD method in a signal based on an FDD method;~~

FDD transmission means for transmitting [[the]] a signal based on [[the]] an FDD method; [[and]]

TDD transmission means for transmitting [[the]] a signal based on [[the]] a TDD method;
and

means for including information of the signal based on the TDD method in the signal
based on the FDD method,

wherein the signal based on the TDD method includes a signal of a common control channel and a signal of a communication channel,

the information of the signal based on the TDD method includes information of the common control channel, and

the signal of the common control channel includes information of the communication channel.

Claim 33. (Currently Amended) A base station comprising:
~~means for including information of a signal based on a TDD method in a signal based on an FDD method;~~

FDD transmission means for transmitting [[the]] a signal based on [[the]] an FDD method; [[and]]

TDD transmission means for transmitting [[the]] a signal based on [[the]] a TDD method;
and

means for including information of the signal based on the TDD method in the signal
based on the FDD method,

wherein the signal based on the TDD method includes a signal of a communication channel, and

the information of the signal based on the TDD method includes at least one of information relating to a position of the signal of the communication channel within a frame of

the signal based on the TDD method and information relating to a timing offset between the signal based on the TDD method and the signal based on the FDD method.

Claim 34. (Previously Presented) The communication method as claimed in claim 21, wherein the information of the signal based on the TDD method includes information relating to a position of the signal of the communication channel within a frame of the signal based on the TDD method.

Claim 35. (Previously Presented) The communication method as claimed in claim 21, wherein the information of the signal based on the TDD method includes information relating to a timing offset between the signal based on the TDD method and the signal based on the FDD method.

Claim 36. (Previously Presented) The base station as claimed in claim 33, wherein the information of the signal based on the TDD method includes information relating to a position of the signal of the communication channel within a frame of the signal based on the TDD method.

Claim 37. (Previously Presented) The base station as claimed in claim 33, wherein the information of the signal based on the TDD method includes information relating to a timing offset between the signal based on the TDD method and the signal based on the FDD method.